10/100 Multi Mode Fiber Copper Fast Ethernet Media Converter ST 2 km

StarTech ID: MCM110ST2GB

This Ethernet to MM Fiber Media Converter creates a cost-effective Ethernet to fiber link, transparently converting to/from 10Base-T or 100Base-Tx Ethernet signals and 100Base-Fx optical signals to extend an Ethernet network connection over a multimode fiber backbone.

The converter supports a maximum multimode fiber optic cable distance of 2km (1.2 miles), providing a simple solution for connecting 10Base-T/100Base-Tx Ethernet networks to remote locations using ST-terminated multimode fiber, while delivering solid network performance and scalability.

Easy to setup and install, this compact, value-conscious media converter features auto-switching MDI and MDI-X support on the RJ45 UTP connections as well as manual controls for UTP mode, speed, Full and Half Duplex, as well as LFP (Link Fault pass-through) on/off.

Applications

- Connect remote sub-networks to larger fiber optic networks/backbones
- Connect via fiber optics two or more buildings on the same campus
- Designed for ethernet expansion, primarily for large workgroups requiring higher network speeds and increased bandwidth
- Extend your Ethernet connection up to 2km away at full speed using fiber optics.

Features

- 1310nm wavelength
- Auto detects half/full duplex transfer mode from the TX port.
- Auto negotiation or Force 10/100 Mbps and MDI/MDI-X (Crossover for TX port).
- Compatible with 3COM™, Cisco™, Lucent™ and Nortel™ networks
- Forward 9K jumbo packets in converter mode
- It's compact design and weight makes it portable and unobtrusive to carry
- LED Indicators for simple Ethernet/Fiber network link monitoring
- Provides switch configuration of half/full duplex transfer mode for FX port.
- Support flow control (Pause)
- Supports a maximum multi mode fiber optic cable distance of 2 km
- Supports a maximum packet size of 1600 bytes.
- Supports IEEE 802.1q Tag VLAN pass thru
- Supports IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX industry standards
- Supports Link Fault Pass through (LFP)
- Supports Q in Q double tagged frame transparent
- Includes both the UK and EU power plug adapters

Technical Specifications

Warranty	2 Years
Color	Black
Product Height	20 mm [0.8 in]
Product Length	95 mm [3.7 in]
Product Weight	90.5 g [3.2 oz]
Product Width	75 mm [3 in]
Industry Standards	IEEE 802.3 10BASE-T
Industry Standards	IEEE 802.3u 100BASE-FX
Industry Standards	IEEE 802.3u 100BASE-TX
PoE	No
WDM	No
Fiber Operating Mode	Half/Full-Duplex
Fiber Type	Multi Mode
Max Transfer Distance	2 km (1.2 mi)
Maximum Data Transfer Rate	10/100Mbps
MTBF	65,000 Hours
Wavelength	1310nm
Local Unit Connectors	1 - Fiber Optic ST Duplex Female
Local Unit Connectors	1 - RJ-45 Female
LED Indicators	1 - Ethernet Link & Activity (ON - Fiber Link ok, Blinking - Activity on Fiber Link)
LED Indicators	1 - FEF [Far End Fault](On - Fault Detected, Off - No Fault
LED Indicators	1 - Fiber Link & Activity (On - Fiber Link ok, Blinking - Activity on Fiber Link)
LED Indicators	1 - Full (Full duplex / Half duplex)
LED Indicators	1 - Power
LED Indicators	1 - Speed (10 or 100 Mbps)
Center Tip Polarity	Positive
Input Voltage	230 AC
Output Current	0.2A
Output Voltage	12 DC
Plug Type	M
Power Source	AC Adapter Included
Humidity	10~90% RH
Operating Temperature	0°C to 50°C (32°F to 122°F)

Storage Temperature	-10°C to 70°C (14°F to 158°F)
Shipping (Package) Weight	0.3 kg [0.6 lb]
Included in Package	1 - Media Converter
Included in Package	1 - UK power plug adapter
Included in Package	1 - Power Adapter
Included in Package	1 - User's Manual

Certifications, Reports and Compatibility